

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) ORDER GUIDE



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Product Changes and Features Availability

Features, options and package content subject to change. Please check www.FMCDealer.com for the most current information.

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME)



FORD
CODE

PEP Code:
600A

MAJOR STANDARD EQUIPMENT

STD WB is 158"		STD
01 - FRAME		
534	Single Channel, Straight "C", 12.64 SM, 50,000 PSI, 632,000 RBM - High-strength, low-alloy steel; 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm)	x
766	Bumper Front - Black, full width	x
	Less Frame Extension Package	x
02 - AXLE, FRONT - SUSPENSION, FRONT		
43A	Axle, Front Non-Driving - Dana D-850F 8,500-lb. capacity (includes Integral Power Steering)	x
61B	Parabolic Taper-leaf Springs - 2-leaf, 8,500-lb. capacity, 62" x 3.15"	x
	Shock Absorbers, Front - Standard duty, dual, double acting	x
	Wheel Seals, Front - Oil lubricated, SKF ScotSeal® PlusXL seals	x
03 - AXLE, REAR - SUSPENSION, REAR		
472	17,500-lb. Single-Speed - Dana S17-140 single reduction with GenTech quiet gears, synthetic lube and 190 wheel ends	x
68M	Multi-leaf Springs - 11-leaf, 19,000-lb. capacity with 2,000-lb. auxiliary springs for load stabilization	x
	Wheel Seals, Rear - Oil lubricated, SKF ScotSeal® PlusXL seals	x
04 - BRAKES - BRAKE EQUIPMENT		
67J	Hydraulic Brake System - Bosch HydroMax®	x
05 - ENGINE - ENGINE EQUIPMENT		
99C	6.7L Power Stroke® V8 Turbo Diesel - 270 horsepower @ 2400 rpm, 675 lb.-ft. torque @ 1600 rpm; governed rpm: 3200	x
	Manual Regen Initiation - Driver interface in Message Center	x
57B	Engine Exhaust Brake	x
425	50-State Emissions Requirements	x
	Canada and U.S. Territories get Federal Emissions	x
	Clean Idle Label - U.S., Military & EMS Direct Sales Only	x
ENGINE EQUIPMENT		
	Air Cleaner - Dry, single-stage Donaldson® single element (includes restriction indicator)	x
	Fan Clutch - Bendix® viscous screw-on type	x
	Fuel/Water Separator	x
	Radiator - Aluminum w/in-tank transmission cooler, PremAir® ozone converter	x
	Starting Motor - 12-volt, Comstar, all parallel	x
	Anti-Freeze - OAT, extended life coolant; to -40 degrees F/-40 degrees C freeze protection	x
06 - TRANSMISSION - DRIVELINE		
44G	Ford 6-Speed TorqShift® HD Automatic - Double overdrive, less PTO provision (PRNDM)	x
	Driveshaft - Dana Base	x
07 - EXHAUST		
91G	Exhaust System - Under Cab, Right Side Outlet - Single, horizontal muffler, right side, under cab, outside of frame rail with rear discharge, Switchback-style	x
08 - ELECTRICAL - ALTERNATOR - BATTERY		
	Alternator - Extra heavy duty 12-volt, 200 amp., Denso SC5	x
	Battery - 12-Volt, Motorcraft® - Two, 750 CCA (1500 CCA total)	x
	Battery Box - RH frame mount under cab step	x
	Body Builder Wiring - Frame mount at back of cab. Includes sealed connectors for 2 ground circuits, with combined left/stop, combined right/stop, stop lamps, park lamps, backup lamps. Also includes 2 additional pass-through wires to cab	x
	Emergency Flasher - Four-way	x
	Fuses, SAE - Blade-type smart fuse box	x

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MAJOR STANDARD EQUIPMENT

PEP Code:
600A

STD WB is 158"		STD
	LIGHTS	
	Aero Headlamps - High series, includes side marker lights with reflectors (front)	x
	Taillamps , Two w/ integral stop, turn, backup and license plate bracket	x
	Side Repeat Flasher	x
	09 - FUEL TANK	
65B	50-U.S. Gallon - Single, LH, aluminum, rectangular - Regular Cab only	x
65E	65-U.S. Gallon - Single, LH, aluminum, rectangular - SuperCab and Crew Cab only	x
	Diesel Fuel - Cold weather anti-gel additive - Gold Eagle 2106	x
	10 - SEATS	
88A	30/0/30 - Fixed driver and fixed passenger with consolette - vinyl	x
87B	60/40 - Rear bench seat with bolster and flip-up cushion - trim will match selected driver seat material (SuperCab)	x
87C	60/40 - Rear bench seat with flip-up cushion and fold-down back - trim will match selected driver seat material (Crew Cab)	x
	11 - CAB EQUIPMENT	
	Regular Cab, SuperCab or Crew Cab - Ford Conventional, Steel	x
	CAB EQUIPMENT - EXTERIOR	
	Doors - Two (four with SuperCab or Crew Cab)	x
	Front End Tilting Fiberglass Hood & Fenders Assembly - Tilt type, frame-mounted, torsion bar assist (includes integral noise & inner splash shields and mud flaps)	x
	Glass - Laminated windshield, solar tint all-around	x
86A	Painted Grille - Plastic, NA with frame extension	x
	Horn - Dual note electric - Level 2	x
	Lights - Roof marker/clearance - amber lenses, 5 lights	x
54H	Mirrors - Dual rectangular Velvac XL2020, integral spot mirrors, sail type, 96" width, manual fold, solid black finish	x
	Tow Hooks, Front (2) - Frame-mounted, painted black	x
	Window, Rear - Fixed	x
	Windshield Wiper Control - Two-speed electric intermittent w/ windshield washers	x
	CAB EQUIPMENT - INTERIOR	
572	Air Conditioning, Manual - Includes integral heater and defroster; radiator-mounted compressor; R-134A refrigerant	x
	Air Registers - Molded-in-color with positive shut-off, color coordinated trim	x
	Assist Handles, Interior A Pillars - Driver and passenger; all cabs	x
	Assist Handles, Interior B Pillars - Grab handle, driver and passenger; Crew Cab only	x
	Auxiliary Power Point - In instrument panel (2)	x
59F	4 Body Builder Switches - Mounted in center instrument panel with connector access located in engine compartment; amperages vary by switch: 10, 15, 25, 25	x
	Back Panel Trim Cover	x
	Coat Hook - RH/LH color-keyed	x
	Cruise Control - Steering Wheel-Mounted Controls	x
	Demisters - LH & RH side windows	x
	Dome Lamp - Rear-mounted with integral map reading lights. (Regular and Crew Cab only)	x
	Door Trim - Color-coordinated molded w/grab handle	x
	Armrest/grab handle	x
	Soft armrest, grab handle upper and lower map pockets	x
	Floor Covering - Black vinyl	x

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PEP Code:
600A

MAJOR STANDARD EQUIPMENT

STD WB is 158"		STD
CAB EQUIPMENT - INTERIOR (CONTINUED)		
	Gauge Cluster, Diesel - With electronic speedometer, includes oil pressure, coolant temperature, DEF gauge, fuel gauge, tachometer, and indicator lights. Also included is enhanced 3-button Message Center with odometer, trip odometer, distance-to-empty for fuel, average fuel economy, hour meter and warning messages. Trans temp in Message Center	x
	Glove Box - Instrument panel, RH	x
	Headliner - Color-coordinated, molded, cloth	x
	Instrument Panel - Color-coordinated with color-coordinated accents	x
	Intelligent Oil-Life Monitor®	x
588	Radio AM/FM Stereo - With 2 speakers, includes auxiliary audio input jack and clock	x
	Safety Belts - Belt-Minder® (chime & flashing warning light on instrument panel if belts not buckled)	x
	Safety Belts - Color-coordinated, all position, includes fixed D-rings (Regular Cab)	x
	Safety Belts - Color-coordinated, all position, includes front seat adjustable D-rings (SuperCab or Crew Cab)	x
	Scuff Plates	x
	Steering Column - Tilt	x
	Steering Wheel - Black PVC, with integral cruise control switches	x
	Sunvisor, Single Driver - Vinyl	x
	Sunvisor, Single Passenger - Vinyl with mirror	x
	Tachometer - Electric	x
	Turn Signal Switch, Self Canceling - Multifunction Switch	x
12 - FRONT WHEEL - TIRES		
	Wheels, Front	
643	22.5x8.25 - Steel disc, 10-hole - hub piloted, 5 hand hold, powder-coated white	x
	Tires, Front	
TCG	11R22.5G (14PR) Goodyear® Endurance RSA	x
13 - REAR WHEEL - TIRES		
	Wheels, Rear	
663	22.5x8.25 - Steel disc, 10-hole - hub piloted, 5 hand hold, powder-coated white	x
	Tires, Rear	
RCG	11R22.5G (14PR) Goodyear® Endurance RSA	x
14 - PAINT		
	Body Color Available - Agate Black (UM), Oxford White (YZ), Ingot Silver (UX), Magnetic (J7), Race Red (PQ), Blue Jeans (N1), Green Gem (W6), Tangier Orange (J8), Bold Yellow (LE), School Bus Yellow (B1), Stone Gray (D1)	x
	Chassis Color - Black	x
	Paint Type - Environmentally friendly, "3-wet system"	x

**2019 F-650 SUPER DUTY
(DIESEL STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



	COMPONENT DESCRIPTION	PEP Code: 600A
		STD
Body Code	Regular Cab SuperCab Crew Cab	F6D X6D W6D
01 - FRAME		
SINGLE CHANNEL - STRAIGHT "C"		
534	12.64 SM, 50,000 PSI, 632,000 RBM - High-strength, low-alloy steel; 10.125" x 3.062" x 0.312" (257.2mm x 77.8mm x 8.0mm)	S
533	10.75 SM, 80,000 PSI, 860,000 RBM - High strength, low-alloy steel; 9.125" x 3.062" x 0.312" (232.8mm x 77.8mm x 7.9mm)	O
536	14.18 SM, 120,000 PSI, 1,701,600 RBM - Heat-treated alloy steel; 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm)	O
535	15.14 SM, 80,000 PSI, 1,211,200 RBM - High-strength low-alloy steel; 10.250" x 3.092" x 0.375" (260.4mm x 78.5mm x 9.5mm)	O
538	16.98 SM, 120,000 PSI, 2,037,600 RBM - Heat-treated alloy steel; 10.250" x 3.610" x 0.375" (260.4mm x 91.66mm x 9.5mm) Not Available with Integral Frame Extension (532), Requires 281" WB	O
532	Integral Front Frame Extension - 20" in front of grille, [Requires Frame (536). Includes (76X) Bumper Delete and includes (86B) Fixed Grille.] Available with (767) Swept Back Front Bumper. Not Available with 281" WB	O
766	Bumper, Front, Full Width - Black (NA with Frame Extension 532)	S
765	Bumper, Front, Full Width - Chrome-plated steel. Included with Exterior Appearance Group (90E)	O/I
767	Bumper, Front, Swept Back - Dark shadow gray painted steel (available with Front Frame Extension, 532) Not Available with Frame (538)	O
76X	Bumper, Front Delete - Standard with front Frame Extension (532) Also deletes the Mounting Brackets	O
76F	Bumper Extension, Front - 3" Extension (N/A with Swept Back Bumper 767)	O
	Tow Hooks, Front - Inside rail, frame-mounted (2)	S
76Y	Tow Hooks - Delete	O
18D	Special Rating GVWR - Limited to 25,999-lb. GVWR	O
19D	FRAME RAIL DRILL #3 - Factory pre-drilled holes in frame rails to support aftermarket install of Hydraulic pump system for EZ-TRAC 4X4 conversion. N/A with 19.5" Wheels. (Late Availability) Requires Air Brakes.	O
19E	FRAME RAIL DRILL #2 - Factory pre-drilled holes in frame rails to support aftermarket install of transfer case brackets for a Meritor 4 x 4 conversion. N/A with 19.5" Wheels. Requires Standard Exhaust (91G). N/A with Frame Rail (533). N/A on SuperCab. Not available with Fuel Tank 115 Gallon LH 65-gal, RH 50-gal (65F). (Late Availability) Requires Air Brakes.	O
	Square Cut Frame Ends	S
02 - AXLE, FRONT - SUSPENSION, FRONT		
43A	Axle, Front Non-Driving - Dana D-850F 8,500-lb. capacity (includes Integral Power Steering)	S
43N	Axle, Front Non-Driving - Dana E-1002I 10,000-lb. capacity (includes Integral Power Steering)	O
TAPER-LEAF SPRINGS		
61B	Parabolic Taper-leaf - 2-leaf, 8,500-lb. capacity, 62" x 3.15" (available with 43A only)	S
61C	Parabolic Taper-leaf - 2-leaf, 10,000-lb. capacity, 62" x 3.15" (available with 43A or 43N)	O
61D	Parabolic Taper-leaf - 2-leaf, 12,000-lb. capacity, 62" x 3.15" (available with 43N)	O
	Shock Absorbers, Front - Double acting	S
15S	Stabilizer Bar, Front	O
	Wheel Seals, Front - Oil lubricated, SKF ScotSeal® PlusXL seals	S
60A	Lube, Front Axle - EmGard® 50W, synthetic oil	O

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) OPTIONAL EQUIPMENT



	COMPONENT DESCRIPTION	PEP Code: 600A
	03 - AXLE, REAR - SUSPENSION, REAR	
	NOTE: When specifying an axle ratio, check performance guidelines for startability and gradeability	
472	Axle, Rear Single - Dana S17-140 single reduction, 17,500-lb. capacity, with GenTech Quiet Gears, synthetic lube and 190 wheel ends	S
474	Axle, Rear Single - Dana S17-140 single reduction, 19,000-lb. capacity, with GenTech Quiet Gears, synthetic lube and 190 wheel ends	O
	Driveshaft - Dana base	S
18P	Driveshaft - Upgrade	O
	MULTI-LEAF SPRINGS	
68M	11-Leaf, 19,000-lb. Capacity - For 17,500-lb. and 19,000-lb. rear axles, includes 2,000-lb. auxiliary springs for load stabilization	S
68P	11-Leaf, 21,000-lb. Capacity - For 19,000-lb. rear axles, includes 2,000-lb. auxiliary springs for load stabilization	O
	AIR SUSPENSION	
68E	19,000-lb. Capacity - For 17,500-lb. or 19,000-lb. rear axles (472) or (474), with single air suspension leveling valve (requires Frame 536) NA with relocated brakes 62F (when in combination with Frame {536} and a 176" WB requires the use of {67C/67D} Air Brakes) Available with Frame (538) together with 281" WB	O
68B	21,000-lb. Capacity - For 19,000-lb. rear axles, with single air suspension leveling valve (NA with Frames 533 and 534) NA with relocated brakes 62F (when in combination with Frame (536) and a 176"WB requires the use of (67C/67D) Air Brakes)	O
68Z	Air Suspension Dump Valve	O
68Y	Air Suspension Leveling Valve - Dual Air Suspension Leveling Valves; creates L/R ride height	O
961	Shock Absorbers, Rear - Double acting (included in Air Ride Suspension but NA with 62F)	O
	Wheel Seals, Rear - Oil lubricated, SKF ScotSeal® PlusXL seals	S
607	Lube, Rear Axle - EmGard® 75W-90, synthetic oil	O
	04 - BRAKES - BRAKE EQUIPMENT	
67J	Hydraulic Brake System - Bosch HydroMax®	S
674	Hydraulic Brake System - Bosch HydroMax®, with Traction Control	O
67C	Air Brakes - Straight Truck w/16.5"x7.0" rear pads - 22.5" wheels; Meritor® Q-Plus with ABS (Bendix® anti-lock brake system) (4-channel) (includes 15" x 4" front brakes, dual direct reading air pressure gauges, brake lines color-coded nylon, Bendix® 13.2 CFM capacity air compressor, instrument panel mounted yellow knob parking brake control valve, automatic slack adjusters front and rear, two rear spring parking air brake chambers mounted on front of rear axle, three drain valve(s) and two air tanks (reference Body Builders book for location)	O
67D	Air Brakes with Traction Control - Straight truck w/16.5"x7.0" rear pads - 22.5" wheels; Meritor® Q-Plus with ABS (Bendix® Anti-Lock Brake System) (4-channel) (Includes 15" x 4" front brakes, dual direct reading air pressure gauges, brake lines color-coded nylon, Bendix® 13.2 CFM capacity air compressor, instrument panel-mounted yellow knob parking brake control valve, automatic slack adjusters front and rear, two rear spring parking air brake chambers mounted on front of rear axle, three drain valve(s) and two air tanks (reference Body Builders Book for location). (Should NEVER be used with Hi-Rail Train Systems) Required when using (18H) Electronic Stability Control.	O
18H	Electronic Stability Control - Requires Air Brakes with Traction Control (67D). N/A with (158) Trailer Airbrake Pkg. Requires the selection of a Special Build Requirement, for the Type of Center of Gravity, of the Final Upfit. N/A with "Park Pawl" in PRNDM.	O
	SPECIAL BUILD REQUIREMENT	
98B	Special Build Requirement - LOW - 38" to 48" Centerof Gravity (Requires 18H)	O
98C	Special Build Requirement - MEDIUM - 48" to 58" Centerof Gravity (Requires 18H)	O
98E	Special Build Requirement - HIGH - 58" to 68" Center of Gravity (Requires 18H)	O
98F	Special Build Requirement - TANKER HIGH - 58" to 68" Center of Gravity (Requires 18H)	O
98J	Special Build Requirement - TANKER MEDIUM - 48" to 58" Centerof Gravity (Requires 18H)	O

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) OPTIONAL EQUIPMENT



	COMPONENT DESCRIPTION	PEP Code: 600A
	BRAKE EQUIPMENT	
62F	Air Brake Chambers, Spring - Relocated to rear of rear axle for maximum ground clearance (standard with 158" and 176" WB Reg. Cab when Air Brakes [67C or 67D] are ordered with 91B Torpedo style exhaust) - (NA with Hydraulic Brakes) (N/A with Air Ride Suspensions)	O
62D	Air Dryer (Bendix® AD/IP) with heater - mounted left frame rail	O
62H	Air Dryer (Bendix® AD/IP) with heater - Alternate Mount outside the left Frame rail as close to cab as available. Requires Regular Cab, Requires Standard 50 gal tank.	O
	Drain Valve (1) - Automatic (Bendix® DV-2) with heater; required with air compressor or air brakes	S
152	Trailer Connection Socket, 7-way - Mounted at rear of frame, for Combined trailer stop, tail, turn, marker light circuits; includes Electric Trailer Brake Accommodation Package with cab connections for mounting customer installed electric brake unit (available for Hydraulic Brake Straight Truck). Available with (Standard) Combined Back of Cab Body Builder Wiring or available with (59C) Combined End of Frame Body Builder Wiring. Not Available with 281" WB	O
	BRAKE EQUIPMENT (CONTINUED)	
154	Trailer Connection Socket, 7-way - Mounted at rear of frame, for Seperate trailer stop, tail, turn, marker light circuits; includes Electric Trailer Brake Accommodation Package with cab connections for mounting customer installed electric brake unit (available for Hydraulic Brake Straight Truck). Available with (59D) Seperate Back of Cab Body Builder Wiring or available with (59E) Seperate End of Frame Body Builder Wiring. Not Available with 281"	O
159	Trailer Connection Socket, 7-way - Mounted at rear of frame, for Combined trailer stop, tail, turn; (compatible with trailers that use Combined stop, tail, turn lights) (available for Air Brake Straight Truck) Available with (Standard) Combined Back of Cab Body Builder Wiring or available with (59C) Combined End of Frame Body Builder Wiring. Not Available with 281" WB. Not Available with (18H)	O
158	Trailer Air Brake Package - Includes air lines to rear of frame, hand control valve and tractor protection valve (requires Trailer Connection Socket 7-Way, Code 159 or 157) (requires Air Brakes). Not Available with (18H)	O
157	Trailer Connection Socket, 7-way - Mounted at rear of frame, for Seperate trailer stop, tail, turn, marker light circuits; (compatible with trailers that have amber or side turn lights with Seperate stop/turn) (available for Air Brake Straight Truck) Available with (59D) Seperate Back of Cab Body Builder Wiring or available with (59E) Seperate End of Frame Body Builder Wiring. Not Available with 281" WB. Not Available with (18H)	O
	05 - ENGINE - ENGINE EQUIPMENT	
99C	6.7L Power Stroke® V8 Turbo Diesel - 270 horsepower @ 2400 rpm, 675 lb.-ft. torque @1600 rpm; governed rpm: 3200	S
99E	6.7L Power Stroke® V8 Turbo Diesel - 300 horsepower @ 2500 rpm, 700 lb.-ft. torque @ 1800 rpm; governed rpm: 3300	O
99X	6.7L Power Stroke® V8 Turbo Diesel - 330 horsepower @ 2600 rpm, 725 lb.-ft. torque @ 1800 rpm; governed rpm: 3400	O
	ENGINE EQUIPMENT	
62G	Air Compressor Bendix® - 13.2 CFM capacity - For stand-alone air source with Hydraulic Brakes; <u>Required with Air Suspension 68E and 68B, when using Hydraulic Brakes</u> . Also allows the following Seats to be used (88N, 88P, 88G, 88H, 88E, 88F, 88T 88U) in lieu of (88R, 88S, 88L, 88M, 88J, 88K, 88W, 88X), <u>when using Hydraulic Brakes</u>	O
41H	Engine Block Heater - Phillips; 120-volt, 750-watt	O
	Manual Regen Initiation - Driver interface in Message Center	S
98R	Active Regen Control - Allows Driver to Inhibit Automatic Regen till Regen can be performed in a Safe location.	O
	Radiator - Aluminum w/in-tank transmission cooler, PremAir® ozone converter	S
916	Speed Limiter - 65 mph	O
917	Speed Limiter - 70 mph	O
	06 - TRANSMISSION	
44G	Ford 6-Speed TorqShift® HD Automatic - Double overdrive, less PTO provision (PRNDM)	S
41A	Transmission Power Takeoff Provision, with LiveDrive Capability	O

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) OPTIONAL EQUIPMENT



	COMPONENT DESCRIPTION	PEP Code: 600A
07 - EXHAUST		
91G	Exhaust System - Under Cab, Right-Side Outlet - Single, horizontal muffler, right side, under cab, outside of frame rail with rear discharge, Switchback-style	S
91B	Exhaust System - Back of Cab, Right-Side Outlet - Single, horizontal muffler/pipe, inline, right-side exhaust with underbody exit, in front of axle, Torpedo-style ; Not available with Hydraulic Brakes at 158" or 176"WB Reg. Cab.	O
91D	Exhaust System - Under Cab, Vertical Outlet, Right Side - Single, horizontal muffler, right side, under cab, outside of frame rail with vertical exhaust, passenger-side rear corner with heat shield and turn-out, Switchback-style. Not Available with Mirrors (54F) Trailer Tow due to lack of Visibility	O
08 - ELECTRICAL - ALTERNATOR - BATTERY		
ALTERNATOR (12-VOLT)		
	Extra Heavy Duty Alternator - 200 amp., Denso SC5	S
17C	Alternator - 220 amp., Denso SC6	O
17D	Dual Heavy Duty Alternators - 357 amp., (200+157 amp.) Denso SC5/SC2	O
55M	Jump Start Stud - Remote mounted (NA with temporary mount batteries)	O
BATTERY, 12-VOLT (INCLUDES STEEL BATTERY BOX)		
	Motorcraft® - Two, 750 CCA (1500 CCA total)	S
63B	Motorcraft® - Two, 900 CCA (1800 CCA total)	O
63D	Motorcraft® - Three, 900 CCA (2700 CCA total)	O
63Y	Temporary Battery Mount for Chassis Truck - Available with 63B or 63D - Requires Dual Heavy-Duty Alternators (17D)	O
	Emergency Flasher	S
	Fuses, SAE , blade type	S
	Aero Headlamps - High series, includes side marker lights with reflectors (front)	S
163	Lights - Roof Marker/Clearance - Amber lenses, 5 lights	S
164	Roof Marker/Clearance Lights - Clear lenses, 5 lights	O
16X	Roof Marker/Clearance Lights Delete - (For airport or applications that receive modified roof coverings)	O
	Taillamps - Two w/integral stop, turn, backup and license plate bracket	S
	Turn Signal Switch, Self Canceling - Multifunction switch with windshield wiper (1-7 variable speed, hi, low), windshield washer, L/R turn signal; self cancel, L/R lane change, hazard, flash-to-pass, high beam	S
	Body Builder Wiring - At Back of Cab (includes sealed connectors for 2 ground circuits, with Combined left/stop, Combined right/stop, park lamps, backup lamps) (also includes 2 additional pass through wires to cab) (available with Hydraulic or Air Brakes) Not Available with (154) Hydraulic Brake Trailer Connection or (157) Air Brake Trailer Connection.	S
59C	Body Builder Wiring - At End of Frame (includes sealed connectors for 2 ground circuits, with Combined left/stop, Combined right/stop, park lamps, backup lamps) (also includes 2 additional pass through wires to cab) (available with Hydraulic or Air Brakes) Not Available with (154) Hydraulic Brake Trailer Connection or (157) Air Brake Trailer Connection.	O
59D	Body Builder Wiring - At Back of Cab (includes sealed connectors for 2 ground circuits, with Separate left/stop, Separate right/stop, backup lamps) (also includes 2 additional pass through wires to cab) Not Available with (19B) Beverage Package, Not Available with (152) Hydraulic Brake Trailer Connection or (159) Air Brake Trailer Connection	O
59E	Body Builder Wiring - At End of Frame (includes sealed connectors for 2 ground circuits, with Separate left/stop, Separate right/stop, backup lamps) (also includes 2 additional pass through wires to cab) Not Available with (19B) Beverage Package, Not Available with (152) Hydraulic Brake Trailer Connection or (159) Air Brake Trailer Connection	O
17M	Back-up Alarm - Electric, 102 dBA (NA w/Taillights Delete, Code 55X)	O
962	Daytime Running Lamps	O
55X	Tail Lights Delete (Deletes stop, turn, tail and backup lights) (does not omit cable to end of frame)	O
09 - FUEL TANKS (For Clean CA installations with other cabs refer to the Body Builders site)		
65B	Fuel Tank, 50-U.S. Gallon - Left-hand, aluminum, rectangular (Regular Cab only)	S
65E	Fuel Tank, 65-U.S. Gallon - Left-hand, aluminum, rectangular (Standard on SuperCab and Crew Cab only; Optional on Regular Cab only)	S/O
65C	Fuel Tank, 55-U.S. Gallon - Left-hand, aluminum, rectangular (Regular Cab only) Not Available with 19.5 " Wheels/Tires	O
65F	Fuel Tank, 115-U.S. Gallon - Left-hand 65-gal.; right-hand 50-gal., aluminum, rectangular	O

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) OPTIONAL EQUIPMENT



	COMPONENT DESCRIPTION	PEP Code: 600A
	10 - SEATS Seats are color-coordinated to cab trim level. All seats include seat belts. Rear seats of SuperCab or Crew Cab must be selected from this same grouping. Seat Delete options are available at the end of this list.	
88A	30/0/30 - Fixed driver and fixed passenger with consolette - vinyl	S
88B	30/0/30 - Fixed driver and fixed passenger with consolette - cloth	O
881	30/70 - Fixed driver and fixed 2-passenger bench - vinyl	O
882	30/70 - Fixed driver and fixed 2-passenger bench - cloth	O
88C	30/0/0 - Fixed driver only - vinyl	O
88D	30/0/0 - Fixed driver only - cloth	O
88R	30/0/30 - Air ride driver (integral air pump) and fixed passenger with consolette - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88S	30/0/30 - Air ride driver (integral air pump) and fixed passenger with consolette - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88L	30/70 - Air ride driver (integral air pump) and fixed 2-passenger bench - vinyl (NA with SuperCab; NA with Air Ride, Air	O
88M	30/70 - Air ride driver (integral air pump) and fixed 2-passenger bench - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88J	30/0/30 - Air ride driver (integral air pump) and air ride passenger (integral air pump) with consolette - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88K	30/0/30 - Air ride driver (integral air pump) and air ride passenger (integral air pump) with consolette - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88W	30/0/0 - Air ride driver only (integral air pump) - vinyl (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88X	30/0/0 - Air ride driver only (integral air pump) - cloth (NA with SuperCab; NA with Air Ride, Air Brakes or Compressor 62G)	O
88N	30/0/30 - Air ride driver (external air source) and fixed passenger with consolette - vinyl (NA with SuperCab)	O
88P	30/0/30 - Air ride driver (external air source) and fixed passenger with consolette - cloth (NA with SuperCab)	O
	10 - SEATS (CONTINUED) Seats are color-coordinated to cab trim level. All seats include seat belts. Rear seats of SuperCab or Crew Cab must be selected from this same grouping. Seat Delete options are available at the end of this list.	
88G	30/70 - Air ride driver (external air source) and fixed 2-passenger bench - vinyl (NA with SuperCab)	O
88H	30/70 - Air ride driver (external air source) and fixed 2-passenger bench - cloth (NA with SuperCab)	O
88E	30/0/30 - Air ride driver (external air source) and air ride passenger (external air source) with consolette - vinyl (NA on SuperCab)	O
88F	30/0/30 - Air ride driver (external air source) and air ride passenger (external air source) with consolette - cloth (NA on SuperCab)	O
88T	30/0/0 - Air ride driver only (external air source) - vinyl (NA with SuperCab)	O
88U	30/0/0 - Air ride driver only (external air source) - cloth (NA with SuperCab)	O
88Y	40/20/40 - Fixed driver and fixed passenger with unique 20% fold-down console - vinyl	O
88Z	40/20/40 - Fixed driver and fixed passenger with unique 20% fold-down console - cloth	O
	SUPERCAB - REAR SEAT	
87B	60/40 - Rear bench seat with bolster and flip-up cushion - trim will match selected driver seat material	S
87X	Rear Seat Delete	O
	CREW CAB - REAR SEAT	
87C	60/40 - Rear Bench Seat with Flip-up Cushion and Fold-down Back - Trim will match selected Driver seat material	S
87X	Rear Seat Delete	O

**2019 F-650 SUPER DUTY
(DIESEL STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



	COMPONENT DESCRIPTION	PEP Code: 600A
	11 - CAB EQUIPMENT	
	Regular Cab, SuperCab or Crew Cab - Ford conventional, steel	S/O
	INTERIOR APPEARANCE GROUP	
90A	Appearance Group - Front-mounted overhead console with dual sunglass bins and integral front map reading lights, door trim panel, chrome air registers, second-row bench seat (Crew Cab) or two-row high series flip-up seats with cushion and bolster (SuperCab). Includes Power Equipment Group (90P)	O
90P	Power Equipment Group - Power front side windows, power rear side windows (Crew Cab) power door locks and door trim panel. Includes manual rear side windows with SuperCab. Included in Appearance Group (90A)	O/I
	EXTERIOR FEATURES	
90E	Exterior Appearance Group - Includes full-width chrome-plated front bumper (765), chromed fender badge and chrome grille surround (86C)	O
85A	Anti-Theft System	O
	Front End Tilting Fiberglass Hood & Fenders Assembly - Frame-mounted, torsion bar assist (incl. integral noise and inner splash shields and mud flaps)	S
	Glass - Laminated windshield	S
	Glass - Solar tint complete	S
86A	Painted Grille - Plastic	S
86C	Grille - Chrome surround (Included in Exterior Appearance Group 90E)	O/I
86B	Grille, Fixed - Black/grey (Included with Front Frame Extensions 531 or 532)	O
59A	Horn, Air - Black, single trumpet, air solenoid operated, chassis-mounted on rail back of bumper	O
	Horn, Electric - Dual	S
54H	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, solid black finish	S
54M	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, solid black finish	O
54P	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, heated and motorized, solid black finish (requires Power Equipment Group, 90P)	O
54B	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, chrome cap	O
54N	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, manual fold, chrome cap	O
54A	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 96" width, heated and motorized, chrome cap (requires Power Equipment Group, 90P)	O
54J	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, solid black finish	O
54C	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, solid black finish	O
54R	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, heated and motorized, solid black finish (requires Power Equipment Group, 90P)	O
54D	Mirrors - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, chrome cap	O
54E	Mirrors, Heated - Dual Rectangular XL2020 Integral Spot Mirror Sail type, 102" width, manual fold, chrome cap	O
54K	Mirrors - Dual Rectangular XL2020 with Integral Spot Mirror Sail type, 102" width, heated and motorized, chrome cap (requires Power Equipment Group, 90P)	O

**2019 F-650 SUPER DUTY
(DIESEL STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



	COMPONENT DESCRIPTION	PEP Code: 600A
	EXTERIOR FEATURES (CONTINUED)	
54F	Mirrors, Trailer Tow, Powered - Power telescoping, power folding w/ power heated glass, heated convex spotter & integrated clearance lights / turn signals (sail mount) (requires Power Equipment Group, 90P) -(heat controls dash mounted) N/A with (91D) Vertical Exhaust due to Visibility	O
63F	Mirrors - Front Fender Mounted - (2) Driver Side and Passenger Side - (Late Availability)	O
63G	Mirror - Front Fender Mounted - (1) Passenger Side Only (Late Availability)	O
165	Mud Flaps Holder w/o Flaps	O
166	Mud Flap Holder with Flaps - Available with 22.5" wheels only	O
	Window, Rear - Fixed	S
92S	Window, Rear - Sliding	O
	Windshield Wiper - Intermittent variable w/ windshield washers	S
	INTERIOR FEATURES	
572	Air Conditioning, Manual - Includes integral heater and defroster; radiator-mounted compressor; R-134A refrigerant	S
57N	Air Conditioning, Delete - Fresh air heater and defroster only (NA with heated or motorized mirrors)	O
	Air Registers - Molded-in-color with positive shut-off, color-coordinated trim	S
	Air Registers - With positive shut-off, chrome trimmed, included in Appearance Group	I
	ASSIST HANDLE	
	Interior A Pillars - Driver and passenger; all cabs	S
	Interior B Pillars - Grab handle, driver and passenger; Crew Cab only	S
	Auxiliary Power Point - In instrument panel (2)	S
59F	4 Body Builder Switches - Mounted in center instrument panel with connector access located in engine compartment; amperages vary by switch: 10, 15, 25, 25	S
	Back Panel Trim Cover	S
	Cruise Control - Steering wheel-mounted controls	S
96C	Cup Holder - Instrument Panel Mounted, Pull out Cup Holder for two cups. (Not Available with Air Brakes) (NotAvailable with (55P) 110 A/C Outlet)	O
	Demisters - LH & RH side windows	S
	Dome Lamp - Rear mounted with integral map reading lights. (Regular and Crew Cab only)	S
90C	Fleet Telematics Modem - For Data Communication (Late Availability)	O
	Overhead Console - Front mounted with dual sunglass bins and integral front map reading lights (all Cabs, included in Appearance Group)	I
	Floor Covering, Black - Full, vinyl floor	S
	Gauge Cluster, English - With English electronic speedometer (MPH/KPH) includes oil pressure, coolant temperature, DEF gauge, fuel gauge, tachometer and indicator lights. Also includes enhanced 3-button Message Center with odometer, trip odometer, distance-to-empty for fuel, average fuel economy hour meter and warning messages. Trans Temp in message center	S
16V	Volt Meter - Available in Message Center	O
55P	110 A/C Outlet - In lower center finish panel	O
	Glove Box	S
	Instrument Panel - Color coordinated with color-coordinated accents	S
58P	Radio Prep Package - Deletes radio and dash-mounted aux input jack. Includes radio/speaker wiring, 2 speakers, antenna, radio instrument panel cover and dash-mounted auxiliary audio input jack instrument panel cover	O
58B	Radio Delete Package - Deletes radio, speakers, antenna and antenna cable. Includes radio instrument panel cover and auxiliary audio jack cover and speaker locations for future radio upfit if owner desires	O
588	Radio AM/FM Stereo - With 2 speakers, includes auxiliary audio input jack and clock	S
586	Radio, Electronic Premium AM/FM Stereo, Disc - With 4 speakers, dash-mounted auxiliary audio input jack and clock and redundant steering wheel audio controls	O

**2019 F-650 SUPER DUTY
(DIESEL STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



	COMPONENT DESCRIPTION	PEP Code: 600A
	ASSIST HANDLE (CONTINUED)	
21D	SYNC® Media System - Includes dash-mounted USB 2.0 port and redundant steering wheel SYNC® controls. Requires Radio 586	O
85B	Keyed Alike - NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85L	Keyed Alike - Option #1 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85M	Keyed Alike - Option #2 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85N	Keyed Alike - Option #3 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85P	Keyed Alike - Option #4 NA with Anti-Theft System (85A); requires multiple-unit order (NA with 85K)	O
85K	Remote Keyless Entry - Requires Power Equipment Group (90P), includes two key fobs. Also requires 85A Anti-Theft System	O
	SAFETY BELTS	
	Includes fixed D-rings (Regular Cab)	S
	Includes adjustable D-rings (SuperCab or Crew Cab)	S
	Steering Wheel, Tilt with Cruise Controls - Black PVC	S
	Sunvisor, Single Driver - Vinyl	S
	Sunvisor, Single Passenger - Vinyl with mirror	S
90M	Interior Rear View Mirror	O
94A	Timer - Engine idle shutdown, 5 minutes	O
94B	Timer - Engine idle shutdown, 10 minutes	O
94C	Timer - Engine idle shutdown, 15 minutes	O
94D	Timer - Engine idle shutdown, 20 minutes	O
	12 - FRONT WHEELS - TIRES	
	WHEELS, FRONT (HUB PILOT MOUNT)	
643	22.5x8.25, white powder-coated steel, 10-hole	S
644	22.5 x 8.25, polished aluminum, 10-hole. (Available until added starter launch)	O
64H	22.5" X 8.25 Aluminum wheels, 10-hole Alcoa® Bright Polished both sides w/Dura-Bright® seal. (feature available at added starter launch)	O
645	19.5x6.75, white powder-coated steel, 8-hole - NA with Air Brakes (67C or 67D)	O
646	19.5x7.50, white powder-coated steel, 10-hole - NA with Hydraulic Brakes (67J or 674) NA with (43N) 10K FA	O
642	19.5 x 7.50, polished aluminum, 10-hole - NA with Hydraulic Brakes (67J or 674). (Available until added starter launch)	O
64D	19.5" X 7.5" Aluminum wheels, 10-hole Alcoa® Bright Polished both sides w/Dura-Bright® seal. NA with Hydraulic Brakes (67J or 674). (Available at added starter launch).	O
648	19.5x6.75, polished aluminum, 8-hole, N/A with Air Brakes (67C or 67D) Requires (668) Requires (43A) 8.5k F/A	O
649	22.5x8.25, Black Wheel, Requires (669)	O
TCG	11R22.5G (14PR) Goodyear® Endurance RSA	S

**2019 F-650 SUPER DUTY
(DIESEL STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



	COMPONENT DESCRIPTION	PEP Code: 600A
	13 - REAR WHEELS - TIRES Order codes of optional tires are listed in the Tire tab.	
	WHEELS, REAR (HUB PILOT MOUNT)	
663	22.5x8.25, white powder-coated steel, 10-hole	S
664	22.5 x 8.25, polished aluminum, 10-hole - outer surface of outer wheel only; inner wheel is white powder-coated steel. Requires 644. (Available until added starter launch).	O
66H	22.5" X 8.25 Aluminum wheels, 10-hole Alcoa® Bright Polished both sides w/Dura-Bright® seal — outside mount, with white steel wheels inside mount. Requires 64H. (feature available at added starter launch)	O
665	19.5x6.75, white powder-coated steel, 8-hole - NA with Air Brakes (67C or 67D)	O
666	19.5x7.50, white powder-coated steel, 10-hole - NA with Hydraulic Brakes (67J or 674)	O
662	19.5 x 7.50, polished aluminum, 10-hole - NA with Hydraulic Brakes (67J or 674). Requires 642. (Available until added starter launch)	O
66D	19.5" X 7.50 Aluminum wheels, 10-hole Alcoa® Bright Polished both sides w/Dura-Bright® seal—outside mount, with white steel wheels inside mount. NA with Hydraulic Brakes (67J or 674). Requires 64D. (Available at added starter launch)	O
668	19.5x6.75, polished aluminum, 8-hole, N/A with Air Brakes (67C or 67D) Requires (648)	O
669	22.5x8.25, Black Wheel, Requires (649)	O
RCG	11R22.5G (14PR) Goodyear® Endurance RSA	S
	13A - SPARE WHEEL - One Only	
60W	19.5x6.75, white powder-coated steel, 8-hole	O
60X	19.5x7.5, white powder-coated steel, 10-hole NA with (43N) 10K FA	O
60Z	22.5x8.25, white powder-coated steel, 10-hole	O
	14 - PAINT	
	Body Color Available - Agate Black (UM), Oxford White (YZ), Ingot Silver (UX), Magnetic (J7), Race Red (PQ), Blue Jeans (N1), Green Gem (W6), Tangier Orange (J8), Bold Yellow (LE), School Bus Yellow (B1), Stone Gray (D1)	O
	Chassis Color - Black	S
	Paint Type - Environmentally friendly, "3-wet system"	S

**2019 F-650 SUPER DUTY
(DIESEL STRAIGHT FRAME)
OPTIONAL EQUIPMENT**



	COMPONENT DESCRIPTION	PEP Code: 600A
	15 - MISCELLANEOUS	
19A	Ambulance Prep Package - Special EPA calibration approved for special emergency vehicles. System includes (17D) dual heavy-duty alternators @ 357 amps. total and (63D) 3 - 900CCA battery system for 2700 total CCA output	O
19B	Beverage Delivery Package - Contains Body Builder Wiring - At Back of Cab at frame (includes sealed connectors for 2 ground circuits, with combined left/stop, combined right/stop, stop lamps, park lamps, backup lamps) (also includes 2 additional pass through wires to cab). With 6 feet additional length to accommodate drop frame beverage body application. Not Available with (59C), (59D), (59E) Body Builder Wiring.	O
19F	Fire/Rescue Prep Package - Special EPA calibration approved for special emergency vehicles. System includes (17D) dual heavy-duty alternators @ 357 amps. total and (63D) 3 - 900CCA Battery System for 2700 total CCA output	O
21A	Pre-Delivery Inspection - Selection requires that you also choose either (314) or (31F) or (31V) to have the Pre-Delivery Inspection performed	O
314	Ship-Thru: Manning <u>MAY</u> be selected w/o adding (21A.) For <u>MODIFICATIONS ONLY</u> , Dealer must make arrangements directly with Manning (please use CVT Resources for add. Info).	O
31F	Ship-Thru: NFS National Fleet Services <u>MAY</u> be selected w/o adding (21A.)	O
31V	Ship-Thru: Fontaine Vocational Services for Tractors <u>MAY</u> be selected w/o adding (21A.)	O
79V	Send a paper Certificate of Origin for a Vehicle (COV) for those states that file electronically (CA or MI)	O

2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) TIRES



Order Code		Description		Rev/Mile
Front	Rear			
OPTIONAL TIRES for 22.5" Wheel Configuration				
		Tubeless Radial Tires (Allowable Mixed Plys Noted)	Ply Rating	
		11R22.5G (14PR)		--
TCG	RCG	GDYR Endurance RSA	14	496
--	RCA	Goodyear® G182	14	496
--	RCF	GDYR Endurance RSA	16	497
--	RCE*	Goodyear® G182*	16	497
TC1	RC1	Michelin XZE2	14	496
	RMA	Michelin X Multi D	14	496
--	RC3*	Michelin XZE2*	16	497
	RMB*	Michelin X Multi D	16	494
		11R22.5H (16PR)		
TCF	RCF	GDYR Endurance RSA	16	497
--	RCE	Goodyear® G182	16	497
--	RCG	GDYR Endurance RSA	14	496
--	RCA**	Goodyear® G182**	14	496
TC3	RC3	Michelin XZE2	16	497
	RMB	Michelin X Multi D	16	494
--	RC1**	Michelin XZE2**	14	496
	RMA**	Michelin X Multi D	14	496
		255/70R22.5H (16PR)		--
TCH	RCH	GDYR Endurance RSA	16	564
--	RHB	Goodyear® G622	16	564
		275/80R22.5G (14PR)		--
TJF	RJF	Michelin XZE2	14	510
--	RN5	Michelin XDA5	14	510
		275/80R22.5H (16PR)		--
TFA	RFA	Hankook AH22	16	509
--	RFB	Hankook DH15	16	509
		295/75R22.5H (16PR)		--
TRA	RRA	Continental HA3 ^{##}	16	514
	RRC	Continental HDR2	16	509
OPTIONAL TIRES for 19.5" Wheel Configuration				
		Tubeless Radial Tires		
		245/70R19.5G (14PR) {N/A with 19K RA (474), also N/A with (18D)}		
TEA	REA	Hankook AH11	14	618
--	REB	Hankook DH07	14	618
		245/70R19.5H (16PR)		--
TGK	RGK	Michelin XZE	16	621
TGA	RGA	Continental HSR1	16	621
--	RGB	Continental HDR	16	621
		265/70R19.5G (14 PR)		--
TPA	RPA	Hankook AH11	14	604
--	RPB	Hankook DH01	14	604

**Late Availability

^{##} Requires 643, 644 Front Wheels and 663, 664 Rear Wheels

* 16 Ply

** 14 Ply



2019 F-650 SUPER DUTY (DIESEL STRAIGHT FRAME) AXLE RATIOS

Manufacturer:	Dana / Spicer	Dana / Spicer
Model:	S14-140	S19-140
Capacity (lbs.):	17,500	19,000
Differential:	Open	Open
Drive Gear:	GenTech	GenTech
Order Code:	472	474
F650 Dock Height Diesel		Std. Opt.

4.10	X4A*	X-4.10	X-4.10
4.56	X4S*	X-4.56	X-4.56
4.88	X4G	X-4.88	X-4.88
5.29	X5B	X-5.29	X-5.29
5.57	X5D	X-5.57	X-5.57
6.14	X6A*	X-6.14	X-6.14
6.50	X6D* **	X-6.50	X-6.50

*Available with all 19.5" Wheel & Tires - ONLY

*Available with all 19.5" Wheel & Tires or Metric 22.5" Tires

*Not available with 19.5' Wheels and Tires

**Not available with 19.5' Wheels and Tires

*Not available with 255/70R/22.5" Tires

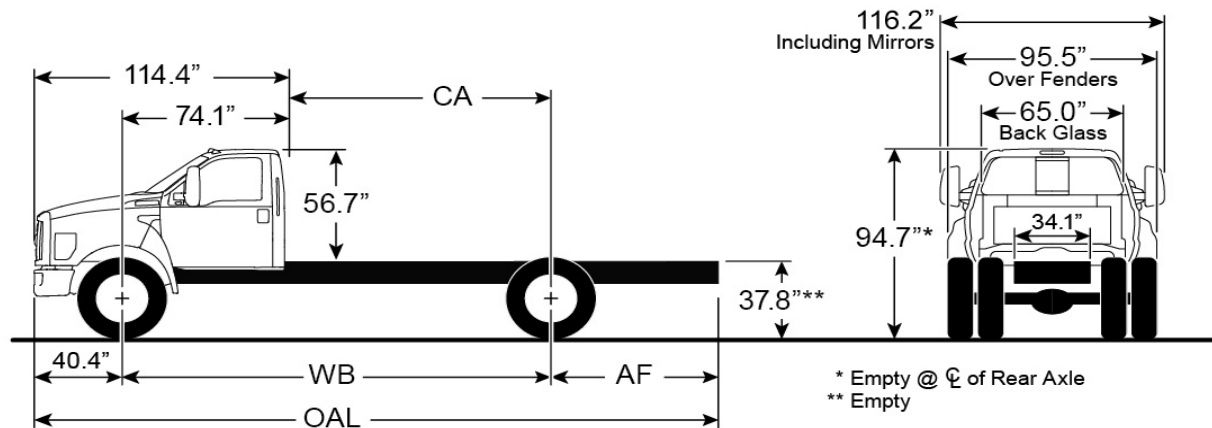
2019 F-650 SUPER DUTY CAB-WHEELBASE-DIMENSIONAL DATA DIESEL REGULAR CAB - Straight Frame



Model Code: F6D

PEP Code: 600A

Std. GVWR	26,000 lbs.
Max. GVWR	29,000 lbs.



Wheelbase (in.)	Chassis Weights (lbs.)*			Dimensions (in.)			Turning Radius	
	Front	Rear	Total	CA	AF	OAL	To Curb	W/Bumper Clearance
158	6412	3866	10278	84	49	246	22 ft. 3 in.	23 ft. 10 in.
176	6471	3929	10400	102	70	285	24 ft. 5 in.	26 ft. 1 in.
182	6480	3938	10418	108	70	291	25 ft. 2 in.	26 ft. 9 in.
194	6504	3963	10468	120	75	308	26 ft. 8 in.	28 ft. 3 in.
200	6518	3980	10499	126	75	314	27 ft. 5 in.	29 ft. 0 in.
212	6543	4005	10547	138	81	332	28 ft. 1 in.	29 ft. 9 in.
218	6559	4025	10584	144	81	338	28 ft. 10 in.	30 ft. 6 in.
224	6586	4052	10638	150	87	350	29 ft. 7 in.	31 ft. 2 in.
230	6595	4062	10656	156	87	356	30 ft. 3 in.	31 ft. 11 in.
242	6634	4104	10738	168	100	381	31 ft. 8 in.	33 ft. 4 in.
260 ^	6682	4151	10833	186	120	419	33 ft. 10 in.	35 ft. 6 in.
281**	7147	4352	11499	207	120	440	36 ft. 4 in.	37 ft. 11 in.

^ Not Available with Frame (533)

**Not Available with Integral Front Frame Extension (532). Requires (538) Frame Rail

**2019 F-650 SUPER DUTY
DIESEL REGULAR CAB
FRAMES
F6D**

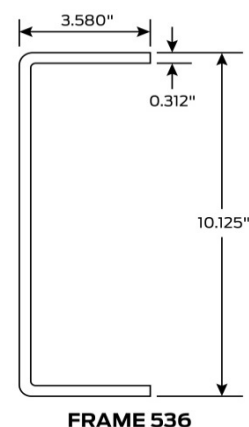
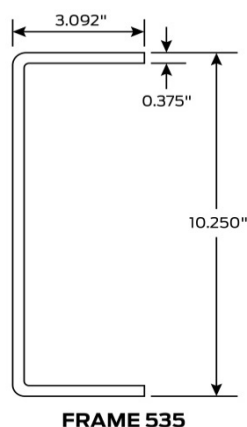
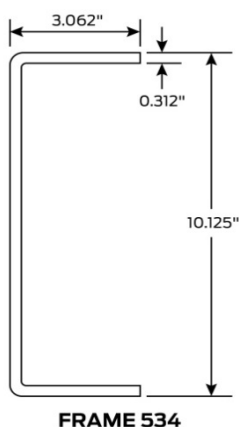
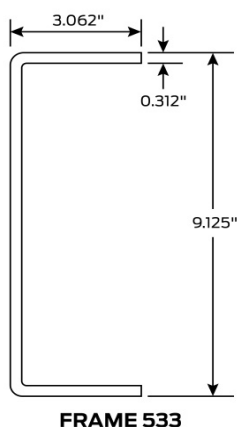


FRAME RAIL SPECIFICATIONS

	CODE	Side Rail			YIELD STRENGTH Min.(psi)	SECTION MODULUS (inches ³)		RESISTING BENDING MOMENT (In.-Lbs.)	
		DIMENSIONS (Inches)				Nominal	Maximum	Nominal	Maximum
		Depth	Width	Thickness					
O	533	Straight Channel Side Rail							
		9.125	3.062	0.312	80,000	10.75	11.47	860,000	917,600
S	534	Straight Channel Side Rail							
		10.125	3.062	0.312	50,000	12.64	13.31	632,000	665,500
O	535	Straight Channel Side Rail							
		10.250	3.092	0.375	80,000	15.14	15.94	1,211,200	1,275,200
O	536	Straight Channel Side Rail							
		10.125	3.58	0.312	120,000	14.18	14.84	1,701,600	1,780,800
O	538**	Straight Channel Side Rail							
		10.25	3.61	0.375	120,000	16.98	17.79	2,037,600	2,134,800

**Not Available with Integral Front Frame Extension (532), For use with 281" WB only

FRAME RAIL CROSS SECTION



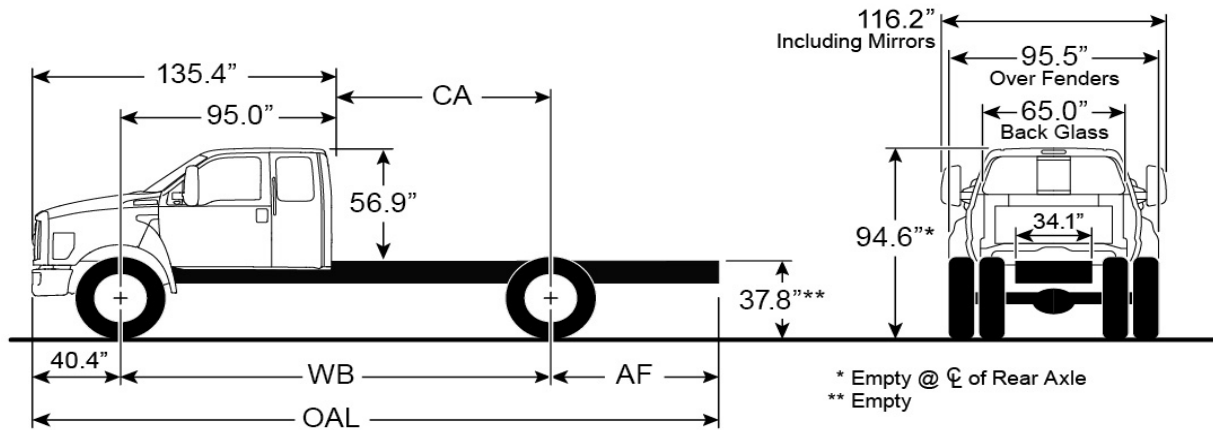
2019 F-650 SUPER DUTY CAB-WHEELBASE-DIMENSIONAL DATA DIESEL SUPERCAB - Straight Frame



Model Code: X6D

PEP Code: 600A

Std. GVWR	26,000 lbs.
Max. GVWR	29,000 lbs.



Wheelbase (in.)	Chassis Weights (lbs.)*			Dimensions (in.)			Turning Radius	
	Front	Rear	Total	CA	AF	OAL	To Curb	W/Bumper Clearance
179	6624	3935	10558	84	49	267	24 ft. 10 in.	26 ft. 5 in.
197	6678	3989	10665	102	70	306	27 ft. 0 in.	28 ft. 8 in.
203	6684	3995	10678	108	70	312	27 ft. 1 in.	28 ft. 8 in.
215	6710	4022	10731	120	75	329	28 ft. 6 in.	30 ft. 1 in.
221	6725	4041	10766	126	75	335	29 ft. 2 in.	30 ft. 10 in.
233	6750	4067	10816	138	81	353	30 ft. 8 in.	32 ft. 3 in.
239	6760	4077	10835	144	81	359	31 ft. 4 in.	33 ft. 0 in.
245	6760	4081	10840	150	87	371	32 ft. 1 in.	33 ft. 8 in.
251	6800	4119	10917	156	87	377	32 ft. 9 in.	34 ft. 5 in.
263 ^	6829	4146	10974	168	100	402	34 ft. 3 in.	35 ft. 10 in.
281**	7370	4527	11897	207	120	440	36 ft. 4 in.	37 ft. 11 in.

^ Not Available with Frame (533)

**Not Available with Integral Front Frame Extension (532). Requires (538) Frame Rail

**2019 F-650 SUPER DUTY
DIESEL SUPERCAB
FRAMES
X6D**

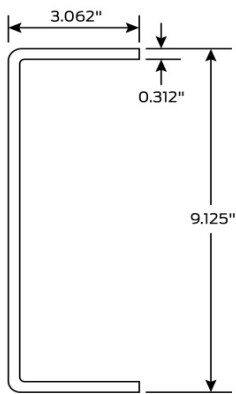


FRAME RAIL SPECIFICATIONS

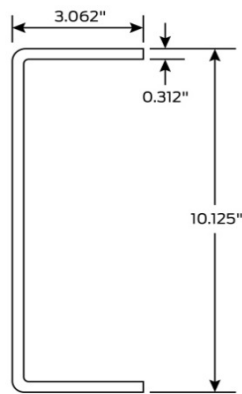
	CODE	Side Rail							
		DIMENSIONS (Inches)			YIELD STRENGTH Min.(psi)	SECTION MODULUS (inches ³)		RESISTING BENDING MOMENT (In.-Lbs.)	
		Depth	Width	Thickness		Nominal	Maximum	Nominal	Maximum
O	533	Straight Channel Side Rail							
		9.125	3.062	0.312	80,000	10.75	11.47	860,000	917,600
S	534	Straight Channel Side Rail							
		10.125	3.062	0.312	50,000	12.64	13.31	632,000	665,500
O	535	Straight Channel Side Rail							
		10.250	3.092	0.375	80,000	15.14	15.94	1,211,200	1,275,200
O	536	Straight Channel Side Rail							
		10.125	3.58	0.312	120,000	14.18	14.84	1,701,600	1,780,800
O	538**	Straight Channel Side Rail							
		10.25	3.61	0.375	120,000	16.98	17.79	2,037,600	2,134,800

**Not Available with Integral Front Frame Extension (532), For use with 281" WB only

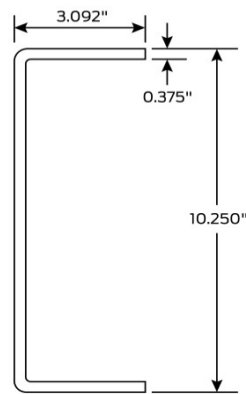
FRAME RAIL CROSS SECTION



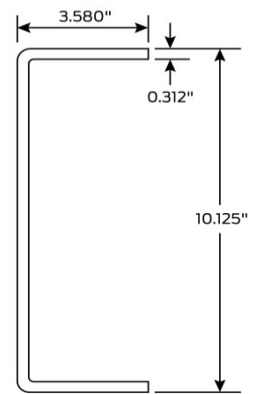
FRAME 533



FRAME 534



FRAME 535



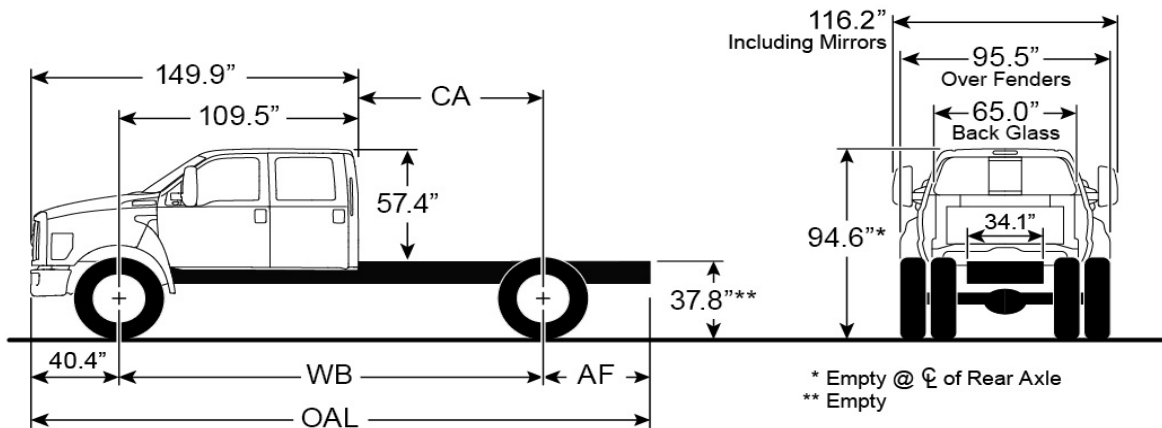
FRAME 536

2019 F-650 SUPER DUTY CAB-WHEELBASE-DIMENSIONAL DATA DIESEL CREW CAB - Straight Frame



Model Code: W6D
PEP Code: 600A

Std. GVWR	26,000 lbs.
Max. GVWR	29,000 lbs.



Wheelbase (in.)	Chassis Weights (lbs.)*			Dimensions (in.)			Turning Radius	
	Front	Rear	Total	CA	AF	OAL	To Curb	W/Bumper Clearance
182	6762	3938	10700	72	49	270	25 ft. 2 in.	26 ft. 9 in.
194	6795	3973	10767	84	49	282	26 ft. 8 in.	28 ft. 3 in.
212	6845	4023	10867	102	70	321	28 ft. 1 in.	29 ft. 9 in.
218	6859	4040	10900	108	70	327	28 ft. 10 in.	30 ft. 6 in.
230	6894	4081	10974	120	75	344	30 ft. 3 in.	31 ft. 11 in.
236	6903	4091	10994	126	75	350	31 ft. 0 in.	32 ft. 7 in.
248	6923	4108	11032	136	81	368	32 ft. 5 in.	34 ft. 1 in.
254 ^	6933	4118	11051	144	81	374	33 ft. 2 in.	34 ft. 9 in.
260 ^	6959	3997	11106	150	87	386	33 ft. 10 in.	35 ft. 6 in.
266 ^	6968	4154	11123	156	87	392	34 ft. 7 in.	36 ft. 3 in.
278 ^	7003	4191	11193	168	100	417	36 ft. 0 in.	37 ft. 8 in.

^ Not Available with Frame (533)

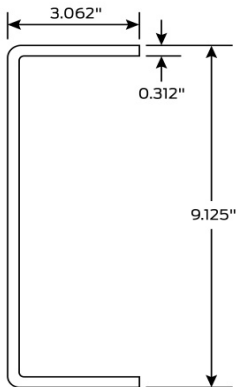
**2019 F-650 SUPER DUTY
DIESEL CREW CAB
FRAMES
W6D**



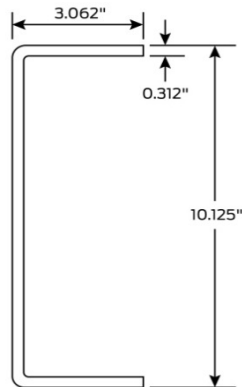
FRAME RAIL SPECIFICATIONS

	CODE	Side Rail			YIELD STRENGTH Min.(psi)	SECTION MODULUS (inches ³)		RESISTING BENDING MOMENT (In.-Lbs.)	
		DIMENSIONS (Inches)				Nominal	Maximum	Nominal	Maximum
		Depth	Width	Thickness					
O	533	Straight Channel Side Rail							
		9.125	3.062	0.312	80,000	10.75	11.47	860,000	917,600
S	534	Straight Channel Side Rail							
		10.125	3.062	0.312	50,000	12.64	13.31	632,000	665,500
O	535	Straight Channel Side Rail							
		10.250	3.092	0.375	80,000	15.14	15.94	1,211,200	1,275,200
O	536	Straight Channel Side Rail							
		10.125	3.58	0.312	120,000	14.18	14.84	1,701,600	1,780,800

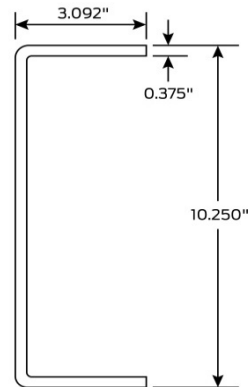
FRAME RAIL CROSS SECTION



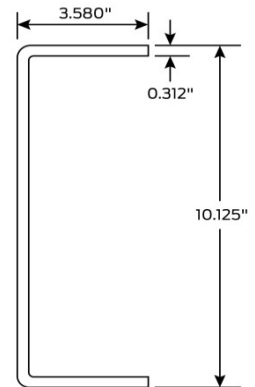
FRAME 533



FRAME 534



FRAME 535



FRAME 536